

20

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/034,302	FEIGE ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	ALEXANDER BOAKYE	2667	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/23/06.
2. ☒ The allowed claim(s) is/are 2, 3, 4, 5, 6, 7, 9, 10, 8, 11, 13, 14; renumbered as 1-12 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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|---|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Elise Heilbrum on 02/08/06.

Claim 12 has been canceled.

### ***Drawings***

2. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because drawings are hand written. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

### **REASONS FOR ALLOWANCE**

3. The following is an examiner's statement of reasons for allowance: Claims 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13 and 14 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims. As to claim 2, the prior art of record does not teach wherein the registration request packet further includes a care-of address, and wherein detecting from the registration request packet whether network address translation has been performed includes: determining whether the IP source address is equal to the care-of address; wherein network address translation has been performed when the IP source address is not equal to the care-of address.

As to claim 3, the prior art of record does not teach wherein the registration request packet further includes a direct encapsulation bit and a care-of address, and wherein detecting from the registration request packet whether network address translation has been performed includes: determining whether the IP source address is equal to the care-of address; and determining whether the direct encapsulation bit is set; wherein network address translation has been performed when the IP source address is not equal to the care-of address and when the direct encapsulation bit is set.

As to claim 4, the prior art of record does not teach wherein the registration request packet includes a direct encapsulation bit, the method further including: determining from the direct encapsulation bit whether the Mobile Node has a collocated

care-of address; wherein setting up a tunnel between the Home Agent address and the IP source address is performed when the Mobile Node has a collocated care-of address. As to claim 5, the prior art of record does not teach determining whether the registration request packet has been received from a Foreign Agent; wherein setting up a tunnel between the Home Agent address and the IP source address is performed when the registration request packet has not been received from a Foreign Agent.

As to claims 6, 7, 9 and 10 the prior art of record does not teach when it has been detected that network address translation has not been performed, setting up a tunnel between the Home Agent address and the care-of address. As to claim 8, the prior art of record does not teach wherein determining whether the IP source address is equal to the care-of address; wherein network address translation has been performed when the IP source address is not equal to the care-of address. As to claim 11, the prior art of record does not teach composing a registration reply packet, the registration reply packet including an IP address, the IP destination address being equal to the IP source address of the registration request packet; and sending the registration reply packet to the IP destination address.

As to claims 13 and 14, the prior art of record does not teach means for composing a registration reply packet, the registration reply packet including an IP destination address, the IP destination address being equal to the IP source address of the registration request packet; and means for sending the registration reply packet to the IP destination address. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays,

Art Unit: 2667

should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The Central Fax number is (571) 273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to Electronic Business Center numbers 866-217-9197 and 703-305-3028.

Alexander Boakye

Patent Examiner

AB

02/08/06

  
CHI PHAM  
PERMISSORY PATENT EXAMINER  
ELECTRONIC BUSINESS CENTER  
2/10/06